

|  |   |                        |                 |
|--|---|------------------------|-----------------|
| <b>TRANSMITTAL FORM</b><br><i>(to be used for all correspondence after initial filing)</i> |   | Application Number     | 09/832,685      |
|  |   | Filing Date            | April 10, 2001  |
|  |   | First Named Inventor   | Reddy, Srinivas |
|  |   | Art Unit               | 2819            |
|  |   | Examiner Name          | Daniel D. Chang |
| Total Number of Pages in This Submission   | 7 | Attorney Docket Number | 015114-045720US |

**ENCLOSURES (Check all that apply)**

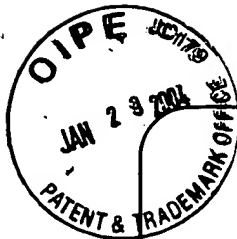
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| <input checked="" type="checkbox"/> Fee Transmittal Form<br><input checked="" type="checkbox"/> Fee Attached<br><input type="checkbox"/> Amendment/Reply<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><input type="checkbox"/> Extension of Time Request<br><input type="checkbox"/> Express Abandonment Request<br><input checked="" type="checkbox"/> Information Disclosure Statement<br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><input type="checkbox"/> Response to Missing Parts/Incomplete Application<br><input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Licensing-related Papers<br><input type="checkbox"/> Petition<br><input type="checkbox"/> Petition to Convert to a Provisional Application<br><input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Request for Refund<br><input type="checkbox"/> CD, Number of CD(s) | <input type="checkbox"/> After Allowance Communication to Group<br><input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences<br><input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)<br><input type="checkbox"/> Proprietary Information<br><input type="checkbox"/> Status Letter<br><input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):<br>Return Postcard,<br>PTO/SB/08A, 08B |
| Remarks  |  | The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.   |

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

|                    |   |                 |
|--------------------|---|-----------------|
| Firm or Individual | Townsend and Townsend and Crew LLP<br>Steven Cahill | Reg. No. 44,578 |
| Signature          |   |                 |
| Date               | January 29, 2004                                    |                 |

**CERTIFICATE OF MAILING**

|   |                |                          |
|---|----------------|--------------------------|
| Express Mail Label:<br>I hereby certify that this correspondence is being deposited with the United States Postal Service with "Express Mail Post Office to Address" service under 37 CFR 1.10 on this date January 29, 2004 and is addressed to:<br>Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 |                |                          |
| Typed or printed name   | Edward Masinas |                          |
| Signature   |                | Date<br>January 29, 2004 |



Image

PTO/SB/17 (10-03)

# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 180

## Complete if Known

Application Number 09/832,685  
Filing Date April 10, 2001  
First Named Inventor Reddy, Srinivas  
Examiner Name Daniel D. Chang  
Art Unit 2819  
Attorney Docket No. 015114-045720US

### METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit  
Account  
Number

20-1430

Deposit  
Account  
Name

Townsend and Townsend and Crew LLP

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) or any underpayment of fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

### FEE CALCULATION

#### 1. BASIC FILING FEE

| Large Entity |          | Small Entity |          | Fee Description        | Fee Paid |
|--------------|----------|--------------|----------|------------------------|----------|
| Fee Code     | Fee (\$) | Fee Code     | Fee (\$) |                        |          |
| 1001         | 770      | 2001         | 385      | Utility filing fee     |          |
| 1002         | 340      | 2002         | 170      | Design filing fee      |          |
| 1003         | 530      | 2003         | 265      | Plant filing fee       |          |
| 1004         | 770      | 2004         | 385      | Reissue filing fee     |          |
| 1005         | 160      | 2005         | 80       | Provisional filing fee |          |

SUBTOTAL (1)

(\$)

#### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

|                    |                      | Extra Claims |   | Fee from below       |   | Fee Paid             |
|--------------------|----------------------|--------------|---|----------------------|---|----------------------|
| Total Claims       | <input type="text"/> | ..**         | = | <input type="text"/> | X | <input type="text"/> |
| Independent Claims | <input type="text"/> | ..**         | = | <input type="text"/> | X | <input type="text"/> |
| Multiple Dependent |                      |              |   |                      | X | <input type="text"/> |

| Large Entity |          | Small Entity |          | Fee Description  |
|--------------|----------|--------------|----------|--|
| Fee Code     | Fee (\$) | Fee Code     | Fee (\$) |  |
| 1202         | 18       | 2202         | 9        | Claims in excess of 20                                     |
| 1201         | 86       | 2201         | 43       | Independent claims in excess of 3                          |
| 1203         | 290      | 2203         | 145      | Multiple dependent claim, if not paid                      |
| 1204         | 86       | 2204         | 43       | ** Reissue independent claims over original patent         |
| 1205         | 18       | 2205         | 9        | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2)

(\$)

\*\*or number previously paid, if greater; For Reissues, see above

### FEE CALCULATION (continued)

#### 3. ADDITIONAL FEES

| Large Entity |          | Small Entity |          | Fee Description  | Fee Paid |
|--------------|----------|--------------|----------|--|----------|
| Fee Code     | Fee (\$) | Fee Code     | Fee (\$) |  |          |
| 1051         | 130      | 2051         | 65       | Surcharge - late filing fee or oath  |          |
| 1052         | 50       | 2052         | 25       | Surcharge - late provisional filing fee or cover sheet.                    |          |
| 1053         | 130      | 1053         | 130      | Non-English specification  |          |
| 1812         | 2,520    | 1812         | 2,520    | For filing a request for reexamination                                     |          |
| 1804         | 920*     | 1804         | 920*     | Requesting publication of SIR prior to Examiner action                     |          |
| 1805         | 1,840*   | 1805         | 1,840*   | Requesting publication of SIR after Examiner action                        |          |
| 1251         | 110      | 2251         | 55       | Extension for reply within first month                                     |          |
| 1252         | 420      | 2252         | 210      | Extension for reply within second month                                    |          |
| 1253         | 950      | 2253         | 475      | Extension for reply within third month                                     |          |
| 1254         | 1,480    | 2254         | 740      | Extension for reply within fourth month                                    |          |
| 1255         | 2,010    | 2255         | 1,005    | Extension for reply within fifth month                                     |          |
| 1401         | 330      | 2401         | 165      | Notice of Appeal   |          |
| 1402         | 330      | 2402         | 165      | Filing a brief in support of an appeal                                     |          |
| 1403         | 290      | 2403         | 145      | Request for oral hearing   |          |
| 1451         | 1,510    | 1451         | 1,510    | Petition to institute a public use proceeding                              |          |
| 1452         | 110      | 2452         | 55       | Petition to revive - unavoidable   |          |
| 1453         | 1,330    | 2453         | 665      | Petition to revive - unintentional   |          |
| 1501         | 1,330    | 2501         | 665      | Utility issue fee (or reissue)   |          |
| 1502         | 480      | 2502         | 240      | Design issue fee   |          |
| 1503         | 640      | 2503         | 320      | Plant issue fee  |          |
| 1460         | 130      | 1460         | 130      | Petitions to the Commissioner  |          |
| 1807         | 50       | 1807         | 50       | Petitions related to provisional applications                              |          |
| 1806         | 180      | 1806         | 180      | Submission of Information Disclosure Stmt                                  | 180      |
| 8021         | 40       | 8021         | 40       | Recording each patent assignment per property (times number of properties) |          |
| 1809         | 770      | 2809         | 385      | Filing a submission after final rejection (37 CFR § 1.129(a))              |          |
| 1810         | 770      | 2810         | 385      | For each additional invention to be examined (37 CFR § 1.129(b))           |          |
| 1801         | 770      | 2801         | 385      | Request for Continued Examination (RCE)                                    |          |
| 1802         | 900      | 1802         | 900      | Request for expedited examination of a design application                  |          |

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid SUBTOTAL (3)

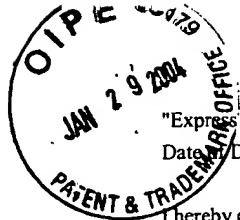
(\$180)

### SUBMITTED BY

### Complete (if applicable)

Name (Print/Type) Steven Cahill Registration No. (Attorney/Agent) 44,578 Telephone 650-326-2400  
Signature *Steven Cahill* Date January 29 2004

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**PATENT**  
Attorney Docket No.: 015114-045720US  
Client Reference No.: A211 D1 C1

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Address" service under 37 CFR 1.10 on the date indicated above and is addressed to:

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

By: Edward Masinas  
Edward Masinas

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

Srinivas Reddy et al.

Application No.: 09/832,685

Filed: April 10, 2001

For: TRISTATE STRUCTURES FOR  
PROGRAMMABLE LOGIC DEVICES

Examiner: Daniel D. Chang

Art Unit: 2819

INFORMATION DISCLOSURE  
STATEMENT UNDER 37 CFR §1.97 and  
§1.98

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. In accordance with 37 CFR §1.98(d), copies of the references can be found in Application No. 09/169,207, filed October 9, 1998 (Attorney Docket No. 015114-045710US).

It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no

representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

This IDS is being filed before the mailing date of the final Office Action or Notice of Allowance.

Please charge the IDS fee of \$180 to Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

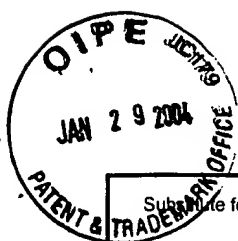
Respectfully submitted,



Steven Cahill  
Reg. No. 44,578

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SJC:jey





PTO/SB/08A (08-03)

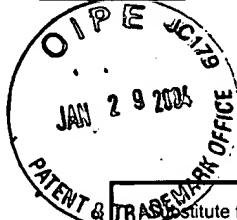
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|---|---|----|--------------------------|------------------------|-----------------|
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(use as many sheets as necessary) |   |    | <b>Complete if Known</b> |                        |                 |
|   |   |    | Application Number       | 09/832,685             |                 |
|   |   |    | Filing Date              | April 10, 2001         |                 |
|   |   |    | First Named Inventor     | Reddy, Srinivas        |                 |
|   |   |    | Art Unit                 | 2819                   |                 |
|   |   |    | Examiner Name            | Daniel D. Chang        |                 |
| Sheet   | 2 | of |                          | Attorney Docket Number | 015114-045720US |

|  |  | Country Code <sup>3</sup> | Number <sup>4</sup> | Kind Code <sup>5</sup> (if known) |  |  |  |                          |
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| Examiner<br>Signature |  | Date<br>Considered |  |
|-----------------------|--|--------------------|--|

<sup>1</sup> EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>2</sup> Applicant's unique citation designation number (optional). <sup>3</sup> Kind Codes of U.S. Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>4</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>5</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>6</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>7</sup> Applicant is to place a check mark here if English language Translation is attached.

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| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(use as many sheets as necessary) |   |    | <b>Complete if Known</b> |                        |                 |
|   |   |    | Application Number       | 09/832,685             |                 |
|   |   |    | Filing Date              | April 10, 2001         |                 |
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|   |   |    | Art Unit                 | 2819                   |                 |
|   |   |    | Examiner Name            | Daniel D. Chang        |                 |
| Sheet   | 3 | of |                          | Attorney Docket Number | 015114-045720US |

| NON PATENT LITERATURE DOCUMENTS |                          |   |  |                |
|---------------------------------|--------------------------|---|--|----------------|
| Examiner<br>Initials *          | Cite<br>No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. |  | T <sup>2</sup> |
|                                 | 0033                     | Scarpiero, Jr., Field-Effect Transistor Bidirectional Driver Control Circuit, IBM TDB, vol. 16, No. 8, pp. 2442-2443, Jan. 1974.  |  |                |
|                                 | 0034                     | Rhyne, Fundamentals of Digital Systems Design, N. J., pp 70-71, 1973.   |  |                |
|                                 | 0035                     | Anonymous, Tri-State Double inverter Buffer, Research Disclosure, p. 30511, Sep. 1989.  |  |                |
|                                 | 0036                     | Xilinx Corp., The Programmable Logic Data Book, "XC4000, XC4000A, XC4000H, Logic Cell Array Families," pp. 2-7 to 2-46 (1994).  |  |                |
|                                 | 0037                     | Xilinx Corp., The Programmable Logic Data Book, "XC3000, XC3000A, XC3000L, XC3100, XC3100A, Logic Cell Array Families," pp. 2-105 to 2-124 (1994).  |  |                |
|                                 | 0038                     | Xilinx Corp., The Programmable Logic Data Book, "XC3000, XC3000A, XC3000L, XC3100, XC3100A, Logic Cell Array Families," pp. 2-105 to 2-152 (1994).  |  |                |
|                                 | 0039                     | Altera Data Book, Altera Classic, Programmable Logic Device Family, pp. 235-244, 08/93.   |  |                |
|                                 | 0040                     | Altera Data Book, Max 5000 Programmable Logic Device Family, pp. 149-160, 08/93.  |  |                |
|                                 | 0041                     | Altera Data Book, Max 7000 Programmable Logic Cell Device Family, pp. 69-81, 08/93.   |  |                |
|                                 | 0042                     | Altera Data Book, Flex 8000 Programmable Logic Device Family, pp. 29-47, 08/93.   |  |                |
|                                 | 0043                     | Altera Data Book, Introduction, pp. 3-16, 08/93.  |  |                |
|                                 |                          |   |  |                |

|                       |  |                    |  |
|-----------------------|--|--------------------|--|
| Examiner<br>Signature |  | Date<br>Considered |  |
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.